## AMENDMENTS TO THE CLAIMS:

## Please cancel claim 29 without prejudice or disclaimer.

1. (Currently amended) An optical fiber preform from which an optical fiber is made by drawing, the optical fiber preform comprising:

an inside portion disposed at an inner side in the radial direction of a position corresponding to two times of mode field diameter on which light at a wavelength of about 1385 nm propagates through an optical fiber made by drawing the preform; and

an outside portion disposed at an outer side of said inside portion, at least one layer having

wherein at a temperature  $T_s$ , a maximum value  $V_0$  [log(poise)] of a radial viscosity distribution in said outside portion which is greater than 7.60 [log(poise)] and a at a temperature  $T_s$  which is a temperature at which the maximum value  $V_0$ [log(poise)] of radial viscosity distribution of the optical fiber in said inside portion area is 7.60 [log(poise)] in inside and outside area equivalent to two times of mode field diameter on which light at wavelength of about 1385nm propagates through an optical fiber made by drawing the preform.

- 2. (Currently amended) An optical fiber preform as claimed in claim 1, further comprising: a multi-layer structure forming said inside and outside portions, said wherein the at least one layer includes a multi-layer structure comprising at least two clad layers including an inner clad layer having a first viscosity at a predetermined temperature and an outer clad layer having a second viscosity at said predetermined temperature, said second viscosity being greater than said first viscosity.
- 3. (Previously presented) An optical fiber preform as claimed in claim 2, wherein said inner clad layer comprises synthetic quartz glass and said outer clad layer comprises quartz glass containing crystal type silica.
- 4. (Previously presented) An optical fiber preform as claimed in claim 3, wherein said

quartz glass containing crystal type silica as a high viscosity clad layer comprises native quartz or crystallization synthetic quartz glass.

- 5. (Previously presented) An optical fiber preform as claimed in claim 2, wherein said inner clad layer comprises synthetic quartz glass having a lower viscosity than pure synthetic quartz glass by being doped with at least one dopant selected from the group consisting of chlorine, germanium, fluorine, and phosphorus, and said outer clad layer comprises synthetic quartz glass having a higher viscosity than the inner clad layer by not being doped or doped with small amount of dopant.
- 6. (Previously presented) An optical fiber preform as claimed in claim 1, wherein said maximum value V<sub>0</sub> of said radial viscosity distribution is greater than 7.90 [log(poise)].
- 7. (Currently amended) An optical fiber preform as claimed in claim 1, <u>further comprising:</u> a multi-layer structure comprising wherein said at least one layer comprises at least two layers including an inner clad layer and an outer clad layer with high viscosity.
- 8. (Currently amended) An optical fiber preform as claimed in claim 1, <u>further comprising:</u>

  <u>a multi-layer structure comprising wherein said at least one layer comprises</u> an outermost clad layer having a viscosity less than V<sub>0</sub> at the temperature T<sub>3</sub>.
- 9. (Original) An optical fiber preform as claimed in claim 1, wherein a surface of the optical fiber preform has a viscosity at temperature  $T_s$  which is lower than  $V_0$ .
- 10. (Previously presented) An optical fiber preform as claimed in claim 1, wherein a portion of said preform which includes at least a core and an inner clad layer is formed by one of vapor axial deposition (VAD), outside vapor deposition (OVD), modified chemical vapor deposition (MCVD), plasma chemical vapor deposition (PCVD), and a combination of any of these.

Claims 11-19. (Canceled)

20. (Currently amended) An optical fiber manufactured by heating and drawing a preform, said preform comprising:

an inside portion disposed at an inner side in the radial direction of a position

corresponding to two times of mode field diameter on which light at a wavelength of about 1385

nm propagates through an optical fiber made by drawing the preform; and

an outside portion disposed at an outer side of said inside portion,

wherein at a temperature  $T_s$ , a maximum value  $V_0$  [log(poise)] of a radial viscosity distribution in said outside portion is greater than 7.60 [log(poise)] and a maximum value  $V_0$ [log(poise)] of radial viscosity distribution in said inside portion is 7.60 [log(poise)]

at least one layer having a maximum value V<sub>0</sub> [log(poise)] of a radial viscosity distribution which is greater than 7.60 [log(poise)] at a temperature T<sub>s</sub> which is a temperature at which the maximum value V<sub>0</sub>[log(poise)] of radial viscosity distribution of the optical fiber in inside area is 7.60 [log(poise)] in inside and outside area equivalent to two times of mode field diameter on which light at wavelength of about 1385nm propagates through an optical fiber made by drawing the proform.

- 21. (Previously presented) An optical fiber as claimed in claim 20, wherein a transmission loss at wavelength of 1385 nm is equal to or less than 0.36db/km.
- 22. (Previously presented) An optical fiber as claimed in claim 20, wherein a transmission loss at wavelength of 1385 nm is equal to or less than 0.35db/km, in a case that said optical fiber is exposed to atmosphere containing 1% hydrogen for four days.
- 23. (Previously presented) An optical fiber as claimed in claim 20, wherein a transmission loss at wavelength of 1385 nm, in a case that the optical fiber is exposed to atmosphere containing 1% hydrogen for four days, does not substantially change compared with transmission loss at wavelength of 1385 nm before being exposed to the atmosphere.

- 24. (Previously presented) An optical fiber as claimed in claim 20, wherein said transmission loss at a wavelength of 1385 nm is no greater than 0.30db/km.
- 25. (Currently amended) An optical fiber preform as claimed in claim 1, <u>further comprising</u>:
  <u>a multi-layer structure comprising wherein said at least one layer comprises</u>:

an inner clad layer formed on a core and having a first viscosity at said temperature,  $T_{\rm s}$ ; and

an outer clad layer formed on said inner clad layer and having a second viscosity at said temperature, T<sub>s</sub>, said second viscosity being greater than said first viscosity.

- 26. (Previously presented) An optical fiber preform as claimed in claim 25, wherein said core comprises quartz glass doped with germanium, such that said temperature T<sub>s</sub> is about 1600 °C.
- 27. (Previously presented) An optical fiber preform as claimed in claim 25, wherein said at least one layer further comprises:

another outer clad layer formed on said outer clad layer and having a third viscosity which is lower than said second viscosity.

- 28. (Previously presented) An optical fiber preform as claimed in claim 2, wherein a diameter of said inner clad layer is less than 80% of an outer diameter of said preform.
- 29. (Canceled)
- 30. (Currently amended) An optical fiber preform as claimed in claim 1, <u>further comprising</u>: <u>a multi-layer structure comprising</u>: <u>wherein said at least one layer comprises</u>:

an inner clad layer formed on a core and having a first viscosity at said temperature, T<sub>5</sub>; and

an outer clad layer formed on said inner clad layer and having a second viscosity

at said temperature, Ts,

wherein said second viscosity is greater than said first viscosity,

wherein a diameter of said inner clad layer is less than 80% of an outer diameter of said preform, and

wherein a surface of the optical preform has a viscosity at temperature Ts which is lower than Vo.

31. (New) An optical fiber preform which is drawable to form an optical fiber having a mode field diameter for light at a wavelength of about 1385 nm, the preform comprising:

a multi-layer structure comprising:

an inner portion having a diameter which is two times said mode field diameter, and having a maximum viscosity of 7.60 at a temperature T<sub>s</sub>; and

an outer portion formed outside of said inner portion, and having a maximum viscosity of greater than 7.60 at said temperature T<sub>s</sub>.